

60815-2230us.ST25
SEQUENCE LISTING

<110> THERAPTOSIS S.A.
<120> METHOD FOR SCREENING MODULATORS OF MITOCHONDRIAL FUNCTIONNING AND NEW MODULATORS OBTAINED
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<140> US 10/533 642
<141> 2005-05-03
<150> US 60/472,725
<151> 2003-05-23
<150> PCT/EP03/12056
<151> 2003-10-03
<150> US 60/415/092
<151> 2002-10-02
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<170> PatentIn version 3.3
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1 5 10 15

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Leu Leu Ala Ala Leu Arg Arg Ile Gln Arg Ala
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Arg Lys Lys Arg Arg Gln Arg Arg Cys Gly Gly Leu Glu Thr Arg
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Thr Glu Thr Trp Met Ser Ser Glu Gly Ala Trp Lys Gln Ile Gln Lys
20 25 30

Val Glu Thr Trp Ala Leu Arg His
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Lys Gly Ala Trp Leu Asp Ser Thr Lys Ala Thr Arg Tyr Leu Val Lys
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Thr Glu Ser Trp Ile Leu Arg Asn
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Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Phe Ile
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His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
20 25

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Arg Ile Glu Ile Trp Ile Leu Arg His
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Ile Leu Arg His
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Ile Leu Arg His
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Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Leu Leu Phe Ile
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His Phe Arg Ile Gly Cys Arg His Ser Arg Ile Gly
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Leu Phe Ile His Phe Arg Ile Gly Cys Arg His Ser Arg Ile Gly
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Ala Gln Arg Ile Glu Ile Trp Ile Leu Arg His
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Ala Gln Arg Ile Glu Thr Trp Ile Leu Arg His
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Ala Gln Arg Val Glu Ser Trp Ile Leu Arg Asn
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Ala Cys Arg Met Glu Thr Trp Ile Leu Arg His
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Ile Gln Lys Val Glu Thr Trp Ala Leu Arg His
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Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Arg Gln
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Val Glu Lys Val Glu Thr Trp Ala Leu Arg His
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Ala Gln Arg Ile Ala Ile Trp Ile Leu Arg His
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Trp Ile Leu Arg His
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Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Arg Ile Glu Ile
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Trp Ile Leu Arg His
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Trp Ile Leu Arg His
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Ile Glu Ile Trp Ile Leu Arg His
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Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Gly Ser Arg
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Ile Ala Ile Trp Ile Leu Arg His
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Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Gly Ser Gly
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Ala Trp Lys His Ala Gln Arg Ile Glu Ile Trp Ile Leu Arg His
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Ala Trp Lys His Ala Gln Arg Ile Ala Ile Trp Ile Leu Arg His
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Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Leu Leu Phe Ile
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His Phe Lys Ile Gly Cys Lys His Ser Lys Ile Gly
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Leu Phe Ile His Phe Lys Ile Gly Cys Lys His Ser Lys Ile Gly
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Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Leu Leu Phe Ile
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His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
20 25

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<400> 33

Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Gly Ser Leu
1 5 10 15

Leu Phe Ile His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
20 25 30

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<400> 34

Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Leu Leu Phe Ile
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His Phe Lys Ile Gly Ser Lys His Ser Lys Ile Gly
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Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Gly Ser Leu
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Leu Phe Ile His Phe Lys Ile Gly Ser Lys His Ser Lys Ile Gly
20 25 30

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Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys His
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Ala Gln Arg Ile Glu Ile Trp Ile Leu Arg His
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<400> 37

Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys His
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Ala Gln Arg Ile Glu Thr Trp Ile Leu Arg His
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<400> 38

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Ala Gln Arg Val Glu Ser Trp Ile Leu Arg Asn
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Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys Arg
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Ala Cys Arg Met Glu Thr Trp Ile Leu Arg His
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Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys Gln
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Ile Gln Lys Val Glu Thr Trp Ala Leu Arg His
20 25

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<400> 41

Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Arg Gln
1 5 10 15

Val Glu Lys Val Glu Thr Trp Ala Leu Arg His
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Trp Ile Leu Arg His
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<400> 43

Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Arg Ile Ala Ile
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Trp Ile Leu Arg His
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Ile Glu Ile Trp Ile Leu Arg His
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Ile Ala Ile Trp Ile Leu Arg His
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<400> 46

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Ala Trp Lys His Ala Gln Arg Ile Glu Ile Trp Ile Leu Arg His
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<400> 47

Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Gly Ser Gly
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60815-2230us.ST25
Ala Trp Lys His Ala Gln Arg Ile Ala Ile Trp Ile Leu Arg His
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Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Leu Leu Phe Ile
1 5 10 15

His Phe Lys Ile Gly Cys Lys His Ser Lys Ile Gly
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<400> 49

Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Gly Ser Leu
1 5 10 15

Leu Phe Ile His Phe Lys Ile Gly Cys Lys His Ser Lys Ile Gly
20 25 30

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Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Leu Leu Phe Ile
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His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
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60815-2230us.ST25
Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Gly Ser Leu
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Leu Phe Ile His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
20 25 30

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<400> 52

Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Leu Leu Phe Ile
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His Phe Lys Ile Gly Ser Lys His Ser Lys Ile Gly
20 25

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<400> 53

Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Gly Ser Leu
1 5 10 15

Leu Phe Ile His Phe Lys Ile Gly Ser Lys His Ser Lys Ile Gly
20 25 30

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Trp Ile Leu Arg His
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Trp Ile Leu Arg His
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Ile Trp Ile Leu Arg His
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Ile Trp Ile Leu Arg His
20